Pattern Recognition Letters 13 (1992) 893–896
North-Holland

December 1992

Author Index Volume 13 (1992)

(The issue number is given in front of page numbers)

Akarun, L. and **Haddad, R.A.**, Adaptive decimated median filtering (1) 57– 62
Aladjem, M. and **Dinstein, I.**, Linear mappings of local data structures (3) 153–159
Alder, M., Lim, S.G., Hadingham, P., and **Attikiouzel, Y.**, Improving neural net convergence (5) 331–338
Alder, M., *see* **Lim, G.S.** (5) 325–329
Arcelli, C. and **Sanniti di Baja, G.**, Ridge points in Euclidean distance maps (4) 237–243
Arnold, J., *see* **Jagoe, R.** (2) 143–151
Attikiouzel, Y., *see* **Alder, M.** (5) 331–338
Attolico, G., *see* **Stella, E.** (7) 523–528
Austin, J., *see* **Bolt, G.** (5) 339–344

Bachauskene, M.I., *see* **Verikas, A.A.** (3) 207–212
Bagherzadeh, N., *see* **Kavianpour, A.** (12) 843–848
Banerjee, S. and **Rosenfeld, A.**, MAP estimation of context-free grammars (2) 95–101
Basu, A., Optimal discretization for stereo reconstruction (11) 813–820
Bell, B. and **Pau, L.F.**, Context knowledge and search control issues in object-oriented Prolog-based image understanding (4) 279–290
Bengio, Y., De Mori, R., and **Gori, M.**, Learning the dynamic nature of speech with back- propagation for sequences (5) 375–385
Benhabib, B., *see* **Safaee-Rad, R.** (7) 497–508
Berenyi, H.M., Leavers, V.F., and **Burge, R.E.**, Automatic detection of targets against cluttered backgrounds using a fractal-oriented statistical analysis and Radon transform (12) 869–877
Berger, L., Mariot, J.-P., and **Launay, C.**, A new formulation for fast image coding using quadtree representation (6) 425–432
Bhandari, D., Pal, N.R., and **Dutta Majumder, D.**, Fuzzy divergence, probability measure of fuzzy events and image thresholding (12) 857–867
Bhandarkar, S.M., Parallelizing object recognition on the hypercube (6) 433–441
Bhattacharya, P., *see* **Qian, K.** (10) 725–733
Bie, C.Y.C., *see* **Shen, H.C.** (3) 195–205
Bigün, J., *see* **Hansen, O.** (4) 253–262
Blauth, C., *see* **Jagoe, R.** (2) 143–151
Bolt, G., Austin, J., and **Morgan, G.**, Uniform tuple storage in ADAM (5) 339–344
Bonnin, A. and **Pallo, J.-M.**, A shortest path metric on unlabeled binary trees (6) 411–415
Borgefors, G., A hierarchical 'square' tessalation of the sphere (3) 183–188
Brailovsky, V.L., Vector piece-wise regression versus clustering (definition and comparative analysis) (4) 227–235
Brunelli, R., Optimal histogram partitioning using a simulated annealing technique (8) 581–586
Burdin, V., Ghorbel, F., De Bougrenet de la Tocnaye, J.L., and **Roux, C.**, A three-dimensional primitive extraction of long bones obtained from bi-dimensional Fourier descriptors (3) 213–217
Burge, R.E., *see* **Berenyi, H.M.** (12) 869–877

Cauraux, G., *see* **Gascuel, O.** (11) 757–764
Chanda, B., Application of binary mathematical morphology to separate overlapped objects (9) 639–645
Chang, Y.-L. and **Leou, J.-J.**, A model-based approach to representation and matching of object shape patterns (10) 707–714
Chaudhuri, B.B., Concave fuzzy set: a concept complementary to the convex fuzzy set (2) 103–106
Chaudhuri, B.B., *see* **Chaudhuri, D.** (6) 399–409
Chaudhuri, D., Chaudhuri, B.B., and **Murthy, C.A.**, A new split-and-merge clustering technique (6) 399–409
Chellappa, R., *see* **Kanaoka, T.** (12) 837–841
Chen, C.-W., *see* **Huang, C.-L.** (8) 569–579
Chen, M.-S. and **Wang, H.-C.**, A decision-enhanced pattern classifier based on neural network approach (5) 315–323
Chen, Y.-C., *see* **Pan, H.-L.** (5) 355–368
Chen, Y.-H., *see* **Tsai, D.-M.** (4) 245–252
Chetverikov, D. and **Lerch, A.**, A multiresolution algorithm for rotation-invariant matching of planar shapes (9) 669–676
Cho, C.J. and **Kim, J.H.**, Recognizing 3-D objects by forward checking constrained tree search (8) 587–597
Cho, S.-B. and **Kim, J.H.**, A two-stage classification scheme with backpropagation neural network classifiers (5) 309–313
Choi, W.Y., *see* **Kim, D.H.** (10) 735–744
Cimikowski, R.J., Properties of some Euclidean proximity graphs (6) 417–423
Claridge, E., *see* **Sarkaria, S.S.** (3) 189–194
Cohen, A.H. and **You, J.**, A multi-scale texture classifier based on multi-resolution 'tuned'

mask (8) 599–604

Davies, E.R., Locating objects from their point features using an optimised Hough-like accumulation technique (2) 113–121
Davis, L.S., *see* **Kamgar-Parsi, B.** (9) 657–667
De Bougrenet de la Tocnaye, J.L., *see* **Burdin, V.** (3) 213–217
De Floriani, L., Jeanne, P., and **Nagy, G.**, Visibility-related image features (6) 463–470
De Mori, R., *see* **Bengio, Y.** (5) 375–385
Denasi, S., Quaglia, G., and **Rinaudi, D.**, The use of perceptual organization in the prediction of geometric structures (7) 529–539
Dinstein, I., *see* **Aladjem, M.** (3) 153–159
Distante, A., *see* **Stella, E.** (7) 523–528
Dobrišek, S., *see* **Mihelič, F.** (12) 879–891
D'Orazio, T., *see* **Stella, E.** (7) 523–528
Dutta Majumder, D., *see* **Bhandari, D.** (12) 857–867
Dutta Majumder, D., *see* **Lohar, G.** (10) 701–706

Faloutsos, C., Analytical results on the quadtree decomposition of arbitrary rectangles (1) 31– 40
Ferri, F. and **Vidal, E.**, Colour image segmentation and labeling through multiedit-condensing (8) 561–568

Gascuel, O. and **Caraux, G.**, Distribution-free performance bounds with the resubstitution error estimate (11) 757–764
Gavrila, D.M. and **Groen, F.C.A.**, 3D object recognition from 2D images using geometric hashing (4) 263–278
Ghorbel, F., *see* **Burdin, V.** (3) 213–217
Ghosh, A. and **Pal, S.K.**, Neural network, self-organization and object extraction (5) 387–397
Goh, S.-C. and **Lee, C.-N.**, Counting minimal paths in 3D digital geometry (11) 765–771
Gori, M., *see* **Bengio, Y.** (5) 375–385
Goulish, M., *see* **Jain, A.** (1) 41– 56
Groen, F.C.A., *see* **Gavrila, D.M.** (4) 263–278
Guan, L. and **Kamel, M.**, Equal-average hyperplane partitioning method for vector quantization of image data (10) 693–699

Haddad, R.A., *see* **Akarun, L.** (1) 57– 62
Hadingham, P., *see* **Alder, M.** (5) 331–338
Hadingham, P., *see* **Lim, G.S.** (5) 325–329
Hansen, O. and **Bigün, J.**, Local symmetry modeling in multi-dimensional images (4) 253–262
Haralick, R.M. Performance characterization in image analysis: thinning, a case in point (1) 5– 12
Harget, A.J., *see* **Sarkaria, S.S.** (3) 189–194
He, G.P. and **Kraus, K.**, A method to design filters for image smoothing (7) 509–515
Ho, T.K., Hull, J.J., and **Srihari, S.N.**, A word shape analysis approach to lexicon based word recognition (11) 821–826
Huang, C.-L., Parallel image segmentation using modified Hopfield model (5) 345–353
Huang, C.-L. and **Chen, C.-W.**, Object identification using modified distributed associated memory (8) 569–579
Hull, J.J., *see* **Ho, T.K.** (11) 821–826

Ipšić, I., *see* **Mihelič, F.** (12) 879–891

Jagoe, R., Arnold, J., Blauth, C., Smith, P.L.C., Taylor, K.M., and **Wootton, R.**, Measurement of capillary dropout in retinal angiograms by computerised image analysis (2) 143–151
Jain, A., Newman, T., and **Goulish, M.**, Range–intensity histogram for segmenting LADAR images (1) 41– 56
Jayasooriah, *see* **Ong, S.H.** (11) 789–795
Jeanne, P., *see* **De Floriani, L.** (6) 463–470
Jones, R. and **Svalbe, I.**, The design of morphological filters using multiple structuring elements, Part II: open(close) and close(open) (3) 175–181
Jones, R., *see* **Svalbe, I.** (2) 123–129
Jumarie, G., Path entropies of brightness functions and fractional Brownian motions (11) 773–780

Kamel, M., *see* **Guan, L.** (10) 693–699
Kamgar-Parsi, B., Narayanan, P.J., and **Davis, L.S.**, Surface reconstruction (of rough terrain) in range image shadows (9) 657–667
Kanaoka, T., Chellappa, R., Yoshitaka, M., and **Tomita, S.**, A higher-order neural network for distortion invariant pattern recognition (12) 837–841
Kavianpour, A. and **Bagherzadeh, N.**, Finding circular shapes in an image on a pyramid architecture (12) 843–848
Kim, D.H., Choi, W.Y., and **Park, R.-H.**, Stereo matching technique based on the theory of possibility (10) 735–744
Kim, H.S., *see* **Seong, D.S.** (8) 545–555
Kim, J.H., *see* **Cho, C.J.** (8) 587–597
Kim, J.H., *see* **Cho, S.-B.** (5) 309–313
Kim, S.D., *see* **Lee, J.H.** (4) 291–303
Kirchner, H. and **Niemann, H.**, Finite element method for determination of optical flow (2) 131–141
Kraus, K., *see* **He, G.P.** (7) 509–515
Krizakova, I. and **Kubat, M.**, *FAVORIT*: Concept formation with ageing of knowledge (1) 19– 25
Kubat, M., *see* **Krizakova, I.** (1) 19– 25

Lane, D.M., *see* **Pan, X.** (9) 629–637
Lapsa, P.M., Efficient multidimensional transformation from data space to parameter space (1) 63– 72
Launay, C., *see* **Berger, L.** (6) 425–432
Leavers, V.F., *see* **Berenyi, H.M.** (12) 869–877
Lee, C.N., *see* **Goh, S.-C.** (11) 765–771
Lee, J.H., Lee, N.I., and **Kim, S.D.**, A fast and adaptive method to estimate texture statistics by the spatial gray level dependence matrix

(SGLDM) for texture image segmentation (4) 291–303
Lee, N.I., *see* **Lee, J.H.** (4) 291–303
Leedham, C.G., *see* **Nair, A.** (8) 605–612
Lenz, R. and **Österberg, M.**, A new method for unsupervised linear feature extraction, using fourth-order moments (12) 827–836
Leou, J.-J., *see* **Chang, Y.-L.** (10) 707–714
Lerch, A., *see* **Chetverikov, D.** (9) 669–676
Li, R.Y. and **Xu, M.**, Character recognition using a fast neural-net classifier (5) 369–374
Lim, G.S., Alder, M., and **Hadingham, P.**, Adaptive quadratic neural nets (5) 325–329
Lim, S.G., *see* **Alder, M.** (5) 331–338
Lin, R. and **Wong, E.K.**, Logic gate implementation for gray-scale morhphology (7) 481–487
Lohar, G., Mukherjee, D.P., and **Dutta Majumder, D.**, On a decomposition of 2-D circular convolution (10) 701–706
Lu, S.W. and **Xu, H.**, False stroke detection and elimination for character recognition (10) 745–755
Lu, X., *see* **Qian, K.** (10) 725–733

Maio, D. and **Rizzi, S.**, Clustering by discovery on maps (2) 89– 94
Malladi, R., *see* **Vemuri, B.C.** (11) 805–812
Mariot, J.-P., *see* **Berger, L.** (6) 425–432
Mihelič, F., Ipšić, I., Dobrišek, S., and **Pavešić, N.**, Feature representations and classification procedures for Slovene phoneme recognition (12) 879–891
Mitra, P., Answering Gabriel neighbour queries (8) 557–560
Mokhtari, H., *see* **Nyeck, A.** (1) 27– 29
Morgan, G., *see* **Bolt, G.** (5) 339–344
Mukherjee, D.P., *see* **Lohar, G.** (10) 701–706
Murtagh, F., Contiguity-constrained clustering for image analysis (9) 677–683
Murthy, C.A., *see* **Chaudhuri, D.** (6) 399–409

Nagy, G., *see* **De Floriani, L.** (6) 463–470
Nair, A. and **Leedham, C.G.**, Evaluation of dynamic programming algorithms for the recognition of shortforms in Pitman's shorthand (8) 605–612
Narayanan, P.J., *see* **Kamgar-Parsi, B.** (9) 657–667
Newman, T., *see* **Jain, A.** (1) 41– 56
Niemann, H., *see* **Kirchner, H.** (2) 131–141
Nitya, V.B., Sridevi, N., and **Pujari, A.K.**, Linear octree by volume intersection using perspective silhouettes (11) 781–788
Nyeck, A., Mokhtari, H., and **Tosser-Roussey, A.**, Fast adaptive search algorithm for vector quantization by progressive codebook arrangement (1) 27– 29

Ong, S.H., Jayasooriah, Yeow, H.H., and **Sinniah, R.**, Decomposition of digital clumps into convex parts by contour tracing and labelling (11) 789–795
Österberg, M., *see* **Lenz, R.** (12) 827–836

Pal, N.R., *see* **Bhandari, D.** (12) 857–867
Pal, S.K., *see* **Ghosh, A.** (5) 387–397
Paliwal, K.K., *see* **Ramasubramanian, V.** (7) 471–480
Pallo, J.-M., *see* **Bonnin, A.** (6) 411–415
Pan, H.-L. and **Chen, Y.-C.**, Liver tissues classification by artificial neural networks (5) 355–368
Pan, X., What we need is an integrated test system: A response to the letter of Pavlidis (8) 541–543
Pan, X. and **Lane, D.M.**, A parallel method for locating and representing 2D contours (9) 629–637
Park, K.H., *see* **Seong, D.S.** (8) 545–555
Park, R.-H., *see* **Kim, D.H.** (10) 735–744
Pau, L.F., *see* **Bell, B.** (4) 279–290
Pavešić, N., *see* **Mihelič, F.** (12) 879–891
Pavlidis, T., Why progress in machine vision is so slow (4) 221–225
Piper, J., Variability and bias in experimentally measured classifier error rates (10) 685–692
Pujari, A.K., *see* **Nitya, V.B.** (11) 781–788

Qian, K., Lu, X., and **Bhattacharya, P.**, A 3D object recognition system using voxel representation (10) 725–733
Quaglia, G., *see* **Denasi, S.** (7) 529–539

Ragnemalm, I., Fast erosion and dilation by contour processing and thresholding of distance maps (3) 161–166
Ramasubramanian, V. and **Paliwal, K.K.**, An efficient approximation-elimination algorithm for fast nearest-neighbour search based on a spherical distance coordinate formulation (7) 471–480
Ray, B.K. and **Ray, K.S.**, Detection of significant points and polygonal approximation of digitized curves (6) 443–452
Ray, B.K. and **Ray, K.S.**, An algorithm for polygonal approximation of digitized curves (7) 489–496
Ray, B.K. and **Ray, K.S.**, An algorithm for detection of dominant points and polygonal approximation of digitized curves (12) 849–856
Ray, K.S., *see* **Ray, B.K.** (6) 443–452
Ray, K.S., *see* **Ray, B.K.** (7) 489–496
Ray, K.S., *see* **Ray, B.K.** (12) 849–856
Rhodes, F., Discrete Euclidean metrics (9) 623–628
Rinaudi, D., *see* **Denasi, S.** (7) 529–539
Rizzi, S., *see* **Maio, D.** (2) 89– 94
Rosen, D., Errors in digitized area measurements: circles and rectangles (9) 613–621
Rosenfeld, A., *see* **Banerjee, S.** (2) 95–101
Rosin, P.L. and **West, G.A.W.**, Detection and verification of surfaces of revolution by perceptual grouping (6) 453–461
Roux, C., *see* **Burdin, V.** (3) 213–217

Safaee-Rad, R., Smith, K.C., Benhabib, B., and **Tchoukanov, I.**, Application of moment and Fourier descriptors to the accurate estimation of elliptical-shape parameters (7) 497–508

Sanniti di Baja, G., *see* **Arcelli, C.** (4) 237–243
Sarkaria, S.S., Harget, A.J., and **Claridge, E.**, Shape recognition using the Kohonen self-organising feature map (3) 189–194
Seong, D.S., Kim, H.S., and **Park, K.H.**, Formal definition and entropy calculation of hierarchical attributed random graph (8) 545–555
Shen, H.C. and **Bie, C.Y.C.**, Feature frequency matrices as texture image representation (3) 195–205
Shlien, S., Nonparametric classification using matched binary decision trees (2) 83– 87
Sinniah, R., *see* **Ong, S.H.** (11) 789–795
Skaisgiris, D.R., *see* **Verikas, A.A.** (3) 207–212
Smith, K.C., *see* **Safaee-Rad, R.** (7) 497–508
Smith, P.L.C., *see* **Jagoe, R.** (2) 143–151
Sridevi, N., *see* **Nitya, V.B.** (11) 781–788
Srihari, S.N., *see* **Ho, T.K.** (11) 821–826
Stella, E., Distante, A., Attolico, G., and **D'Orazio, T.**, A modified stereo matching algorithm suitable for implementation on a convolution specialized hardware (7) 523–528
Svalbe, I. and **Jones, R.**, The design of morphological filters using multiple structuring elements, Part I: openings and closings (2) 123–129
Svalbe, I., *see* **Jones, R.** (3) 175–181

Taylor, K.M., *see* **Jagoe, R.** (2) 143–151
Tcoukanov, I., *see* **Safaee-Rad, R.** (7) 497–508
Thirion, E. and **Wallace, A.**, Compilation and sufficient representation of object models for visual recognition (11) 797–803
Thomas, A.D.H., Compressing the parameter space of the generalised Hough transform (2) 107–112
Thonnat, M., *see* **Xie, M.** (1) 73– 81
Toet, A., Multiscale color image enhancement (3) 167–174
Tomita, S., *see* **Kanaoka, T.** (12) 837–841
Toomarian, N., Pattern classification using the phase velocity field approach (1) 13– 17
Tosser-Roussey, A., *see* **Nyeck, A.** (1) 27– 29
Tsai, D.-M. and **Chen, Y.-H.**, A fast histogram-clustering approach for multi-level thresholding (4) 245–252
Tsai, W.-H., *see* **Wu, R.-Y.** (10) 715–723

Van Herk, M., A fast algorithm for local minimum and maximum filters on rectangular and octogonal kernels (7) 517–521
Vemuri, B.C. and **Malladi, R.**, Surface griding with intrinsic parameters (11) 805–812
Verikas, A.A., Bachauskene, M.I., Vilunas, S.J., and **Skaisgiris, D.R.**, Adaptive character recognition system (3) 207–212
Vidal, E., *see* **Ferri, F.** (8) 561–568
Vilunas, S.J., *see* **Verikas, A.A.** (3) 207–212

Wallace, A., *see* **Thirion, E.** (11) 797–803
Wang, H.-C., *see* **Chen, M.-S.** (5) 315–323
West, G.A.W., *see* **Rosin, P.L.** (6) 453–461
Wong, E.K., *see* **Lin, R.** (7) 481–487
Wootton, R., *see* **Jagoe, R.** (2) 143–151
Wu, R.-Y. and **Tsai, W.-H.**, A new one-pass parallel thinning algorithm for binary images (10) 715–723

Xie, M., Edge linking by using causal neighbourhood window (9) 647–656
Xie, M. and **Thonnat, M.**, An algorithm for finding closed curves (1) 73– 81
Xu, H., *see* **Lu, S.W.** (10) 745–755
Xu, M., *see* **Li, R.Y.** (5) 369–374

Yeow, H.H., *see* **Ong, S.H.** (11) 789–795
Yoshitaka, M., *see* **Kanaoka, T.** (12) 837–841
You, J., *see* **Cohen, A.H.** (8) 599–604